

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
EIICHI TAKAMI ET AL.)
Application No.: NYA)
Div. of: 09/055,247)
Filed: April 6, 1998)
Filed: Herewith)
For: PHOTOELECTRIC CONVERSION)
DEVICE : January 28, 2002

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination on the merits, please amend the above-identified
application as follows:

IN THE SPECIFICATION:

Immediately after the title, please insert the following:

--This application is a division of Application No. 09/055,247, filed April 6,
1998.--

IN THE CLAIMS:

Please cancel Claims 1-20, without prejudice or disclaimer of the subject
matter presented therein.

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Please add Claims 21-54 to read as follows:

21. A photoelectric conversion device comprising a plurality of substrates each having a plurality of photoelectric conversion elements, the plurality of substrates being arranged adjacent each other, and a conductive member stacked and arranged on the photoelectric conversion elements over the plurality of substrates.

22. The photoelectric conversion device according to Claim 21, further comprising a wavelength converting member between the photoelectric conversion elements and the conductive member.

23. The photoelectric conversion device according to Claim 22, wherein the wavelength converting member comprises a fluorescent member.

24. The photoelectric conversion device according to Claim 21, wherein the conductive member comprises an insulating base and a conductive layer provided thereon.

25. The photoelectric conversion device according to Claim 21, wherein the conductive member comprises a metal.

26. The photoelectric conversion device according to Claim 25, wherein the metal comprises aluminum.

27. The photoelectric conversion device according to Claim 21, wherein the conductive member is grounded.

28. The photoelectric conversion device according to Claim 21, wherein an area for the provision of the photoelectric conversion elements is smaller than an area for the provision of the conductive member.

29. The photoelectric conversion device according to Claim 21, wherein the periphery of the conductive member is sealed.

30. The photoelectric conversion device according to Claim 21, wherein the periphery of the conductive member extends over the periphery of the substrate and an edge portion thereof is sealed so as to cover the substrate.

31. The photoelectric conversion device according to Claim 30, wherein a space is formed between the periphery of the substrate and the conductive member.

32. The photoelectric conversion device according to Claim 30, wherein an end face of the substrate and the conductive member are in close contact with each other.

33. The photoelectric conversion device according to Claim 31, wherein a resin is provided in the space.

34. The photoelectric conversion device according to Claim 21, wherein a resin is provided which covers the substrate and all the end faces of the conductive member.

35. The photoelectric conversion device according to Claim 21, wherein the plurality of photoelectric conversion elements are arranged in a matrix.

36. The photoelectric conversion device according to Claim 26, wherein the metal has a thickness of 100 μm or less.

37. An imaging apparatus comprising a photoelectric conversion device comprising a plurality of substrates each having a plurality of photoelectric conversion elements, the plurality of substrates being arranged adjacent each other, and a conductive member stacked and arranged on the photoelectric conversion elements over the plurality of substrates, and a control circuit for driving the device.

38. The imaging apparatus according to Claim 37, which is for detecting an X-ray.

39. The imaging apparatus according to Claim 37, further comprising a grid at an image information inputting side of the photoelectric conversion devices.

40. The photoelectric conversion device according to Claim 37, further comprising a wavelength converting member between the photoelectric conversion elements and the conductive member.

41. The photoelectric conversion device according to Claim 40, wherein the wavelength converting member comprises a fluorescent member.

42. The photoelectric conversion device according to Claim 37, wherein the conductive member comprises an insulating base and a conductive layer provided thereon.

43. The photoelectric conversion device according to Claim 37, wherein the conductive member comprises a metal.

44. The photoelectric conversion device according to Claim 43, wherein the metal comprises aluminum.

45. The photoelectric conversion device according to Claim 37, wherein the conductive member is grounded.

46. The photoelectric conversion device according to Claim 37, wherein an area for the provision of the photoelectric conversion elements is smaller than an area for the provision of the conductive member.

47. The photoelectric conversion device according to Claim 37, wherein the periphery of the conductive member is sealed.

48. The photoelectric conversion device according to Claim 37, wherein the periphery of the conductive member extends over the periphery of the substrate and an edge portion thereof is sealed so as to cover the substrate.

49. The photoelectric conversion device according to Claim 48, wherein a space is formed between the periphery of the substrate and the conductive member.

50. The photoelectric conversion device according to Claim 48, wherein an end face of the substrate and the conductive member are in close contact with each other.

51. The photoelectric conversion device according to Claim 49, wherein a resin is provided in the space.

52. The photoelectric conversion device according to Claim 37, wherein a resin is provided which covers the substrate and all the end faces of the conductive member.

53. The photoelectric conversion device according to Claim 37, wherein the plurality of photoelectric conversion elements are arranged in a matrix.

54. The photoelectric conversion device according to Claim 43, wherein the metal has a thickness of 100 μm or less.--

REMARKS

This is a division of Application No. 09/055,247, filed April 6, 1998.

Claims 21-54, which are based on Claims 21-36, 40-42 and 58-72 of the parent application, which were restricted and consequently withdrawn from the parent application, are now pending in this divisional application.


An Information Disclosure Statement is being filed herewith to cite the information made of record in the parent. Pursuant to § 609 of the MPEP no copies of the cited art are being provided. Of course, Applicants will send duplicate copies of the cited art upon request of the Examiner.

The Examiner is requested to indicate that the cited information has been considered by initialing the appropriate portions of the enclosed Form PTO-1449.

An early and favorable Office Action on the merits is respectfully requested once the new claims have been presented.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,


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